

## **In the Claims**

Please amend the claims as follows.

Claim 1 (Currently amended). A chimeric isoprenoid synthase polypeptide, comprising at least a portion of a first isoprenoid synthase polypeptide, joined to at least a portion of a second, different isoprenoid synthase polypeptide, wherein the chimeric isoprenoid synthase has an activity that is different from the activity of the first and second isoprenoid synthase polypeptide.

Claim 2 (Currently amended). The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase polypeptide catalyses the production of an isoprenoid reaction product that is not produced in the absence of said at least a portion of said, second different isoprenoid synthase polypeptide.

Claim 3 (Currently amended). The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase polypeptide catalyses the production of an isoprenoid reaction product that is not produced in the absence of said at least a portion of said, second different isoprenoid synthase polypeptide.

Claim 4 (Previously amended). The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase polypeptide catalyses the production of at least two different isoprenoid reaction products.

Claim 5 (Original). The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase is from a plant isoprenoid synthase and said second, different isoprenoid synthase is from a plant isoprenoid synthase.

Claims 6-14 (Withdrawn)